Amendment Under 37 C.F.R. § 1.116
USSN 09/736,158

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of transmitting signaling data (4), which relates to a telephone connection (1-3) having both signaling data and message content parts, said signaling data conforming to the ISDN standard and being transmitted on a channel (7) that conforms to another standard and does not conform to the ISDN standard, which method is characterized in that it includes the following steps:

setting up a channel (7) once and for all that conforms to said another standard and does not conform to the ISDN standard,

converting said signaling data in the format (8) of the ISDN standard into data in a format accepted by the channel conforming to the another standard, said format comprising discrete units of data to be sent, and said converting step including adding order information to each discrete data unit for enabling a signaling data receiver to determine if all units of data have been received,

sending the signaling data converted in this way, and

when it is received, converting the signaling data reciprocally into signaling data conforming to the ISDN standard format.

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2. (Currently Amended) A method ~~according to claim 1~~ of transmitting signaling data, which relates to a telephone connection having both signaling data and message content parts, said signaling data conforming to the ISDN standard and being transmitted on a channel that conforms to the UDP-IP standard and does not conform to the ISDN standard, which method is characterized in that it includes the following steps:

setting up a channel that conforms to said UDP-IP standard and does not conform to the ISDN standard,

converting said signaling data in the format of the ISDN standard into data in a format accepted by the channel conforming to the UDP-IP standard,

sending the signaling data converted in this way, and

when it is received, converting the signaling data reciprocally into signaling data conforming to the ISDN standard format,

said method being further characterized in that:

~~the channel that does not conform to the ISDN standard conforms to the UDP-IP Ethernet standard,~~

the signaling data to be transmitted is formatted into successive data blocks ~~(9-12)~~,

send blocks are constructed from said successive signaling data blocks by adding to them information ~~(15-18)~~ on the order of the blocks,

the send blocks are sent from a unit ~~(1)~~ connected to one end of the channel,

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the send blocks are received in another unit (6) connected to the other end of the channel,

send blocks that have been received are tested in said another unit, and

said other unit sends an acknowledgment signal (n) designating the highest numbered send block that has been received and belongs to a continuous series of send blocks.

3. (Previously Presented) A method according to claim 1, characterized in that:

surveillance signals (20) are sent periodically on the channel conforming to said another standard, and

correct operation of said channel conforming to said another standard is tested.

4. (Currently Amended) A method according to claim 1 of transmitting signaling data, which relates to a telephone connection having both signaling data and message content parts, said signaling data conforming to the ISDN standard and being transmitted on a channel that conforms to the QSig-GF standard and does not conform to the ISDN standard, which method is characterized in that it includes the following steps:

setting up a channel that conforms to said QSig-GF standard and does not conform to the ISDN standard,

converting said signaling data in the format of the ISDN standard into data in a format accepted by the channel conforming to the QSig-GF standard,

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sending the signaling data converted in this way, and

when it is received, converting the signaling data reciprocally into signaling data

conforming to the ISDN standard format,

said method being further characterized in that:

the channel that does not conform to the ISDN standard conforms to the QSig-GF

standard, and in that:

a link is established that conforms to the QSig-GF standard,

said link is configured in a FACILITY mode of said QSig-GF standard, and

the signaling data to be transmitted is formatted (25-30) to occupy free segments

of messages generated in accordance with the FACILITY mode of said QSig-GF

standard.

5. (Currently Amended) A method according to claim 1 of transmitting signaling data,

which relates to a telephone connection having both signaling data and message content parts,

said signaling data conforming to the ISDN standard and being transmitted on a channel that

conforms to another standard and does not conform to the ISDN standard, which method is

characterized in that it includes the following steps:

setting up a channel that conforms to said another standard and does not conform

to the ISDN standard,

converting said signaling data in the format of the ISDN standard into data in a

format accepted by the channel conforming to the another standard,

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sending the signaling data converted in this way, and

when it is received, converting the signaling data reciprocally into signaling data

conforming to the ISDN standard format,

~~characterized in that the~~wherein said signaling data comprises flow control data, security

data and message scheduling data.

6. (Currently Amended) A method according to claim 1, characterized in that data

messages of said message content ~~part~~parts are sent on a channel other than said channel of a

type that does not conform to the ISDN standard.

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